

Workshop on Multiscale Atmospheric Dispersion Modeling Within the Federal Community

Agenda

June 6-8, 2000, Town Center Hotel,
8727 Colesville Road, Silver Spring, MD

Tuesday, June 6, 2000

7:00 - 8:00 a.m. **REGISTRATION AND CONTINENTAL BREAKFAST**

8:00 - 8:20 a.m. **WELCOME AND KICKOFF**

Mr. Samuel P. Williamson, Federal Coordinator for Meteorology
Dr. Darryl Randerson, Chief, Special Operations and Research
Division, Air Resources Laboratory

8:20 - 11:30 a.m. **SESSION I - USER REQUIREMENTS FOR DISPERSION
MODELING**

Session Chair: Rickey Petty, Department of Energy
Rapporteur: Roger Stocker, Fleet Numerical Meteorology &
Oceanography Center

8:30-8:50 **Department of Defense**

Captain David Martin, USN, Military Assistant for
Environmental Sciences, Office of the Deputy Under
Secretary of Defense, Science and Technology

8:50-9:10 **National Oceanic and Atmospheric Administration**

Bruce Hicks, Director, Air Resources Laboratory
Tom Renz, Lead Meteorologist, Alaska Aviation Weather Unit

9:10-9:30

Department of Energy

Dr. Peter Lunn, Program Director, Atmospheric Sciences Program
Dr. Don Ermak, Program Leader, Atmospheric Release
Assessment Programs, Lawrence Livermore National
Laboratory

9:30-9:50

Environmental Protection Agency

Phil Campagna, Chemist, Environmental Emergency Response
Center
Mark Evangelista, Chief, Air Quality Support Branch, Office of
Air Quality and Planning Standards

9:50-10:00

Federal Emergency Management Agency

Paul Bryant

10:00-10:30

Break

10:30-10:40

Nuclear Regulatory Commission

Jocelyn Mitchell, Senior Technical Advisor, Office of Research

10:40-10:50

Department of the Interior

Marianne Guffanti, Coordinator, Volcano Hazards Program, U.S.
Geological Survey

10:50-11:00

Department of Agriculture

Dr. Al Riebau, National Program Lead for Atmospheric Science
Research, Forest Service

11:00-11:20

Department of Transportation

Steve Albersheim, Aviation Weather Requirements, Federal
Aviation Administration
Dr. Steve Hwang, Chemical Engineer, Research and Special
Programs Administration

11:20-11:30

Air Force Range Safety

Carlton “Bud” Parks, Senior Meteorologist, Air Force Range Safety

11:30 - 12:50

Lunch On Your Own

12:50 - 5:00 p.m.

SESSION II - AGENCY DISPERSION MODELING CAPABILITIES

Session Chair: Jeff McQueen, NOAA Air Resources Laboratory

Rapporteur: David Weinbrenner, National Centers for Environmental Prediction

1:00-1:45

Environmental Protection Agency

Dennis Atkinson, Meteorologist, Office of Air Quality and Planning Standards

Alan Cimorelli, Lead Meteorologist, EPA Region 3

Mark Evangelista, Chief, Air Policy Support Branch, Office of Air Quality and Planning Standards

1:45-2:45

Department of Defense

Ronald Cionco, Research Meteorologist, US Army Research Laboratory

Ronald Meris, Physical Scientist, Defense Threat Reduction Agency

Mike Henley, Research Chemist, Air Force Research Laboratory

Tim Bauer, Program Manager, Modeling and Simulation, Naval Surface Warfare Center Dahlgren Division

2:45-3:15

Break

3:15-3:45

Department of Energy

Dr. Jerome Fast, Senior Research Scientist, Pacific Northwest National Laboratory

Dr. Don Ermak, Program Leader, Atmospheric Release Assessment Programs, Lawrence Livermore National Laboratory

3:45-4:15 **National Oceanic and Atmospheric Administration**

Dr. Darryl Randerson, Chief, Special Operations and Research
Division, Air Resources Laboratory
Dr. Jerry Galt, Chief, Hazardous Materials Response Division,
National Ocean Service

4:15-4:30 **Nuclear Regulatory Commission**

Jocelyn Mitchell, Senior Technical Advisor, Office of Research

4:30-4:45 **Air Force Range Safety**

Carlton “Bud” Parks, Senior Meteorologist, Air Force Range
Safety

4:45-5:00 **Department of Transportation**

Dr. Steve Hwang, Chemical Engineer, Research and Special
Programs Administration

Wednesday, June 7, 2000

7:30 - 8:30 a.m. **CONTINENTAL BREAKFAST**

8:30 - 12:00 Noon **SESSION III - TECHNICAL BARRIERS TO DISPERSION
MODELING PANEL**

Moderator: Ronald Cionco, Army Research Laboratory
Rapporteur: Robert Lawson, Environmental Protection Agency

Panel Members:
Dr. Ray Hosker, Director, Atmospheric Turbulence & Diffusion
Division, Air Resources Laboratory
Paul Bryant, Federal Emergency Management Agency
Jim Bowers, Dugway Proving Ground
Jocelyn Mitchell, Nuclear Regulatory Commission
Al Cimorelli, Environmental Protection Agency
Dr. Jerome Fast, Pacific Northwest National Laboratory

8:30-10:00 Panel members address technical issues identified by agencies (15
minutes each)

10:00-10:30 **Break**

10:30-12:00 Noon Open Discussion

12:00 Noon - 1:30 p.m. **Lunch On Your Own**

1:30-4:00 p.m. **SESSION IV- MODEL VALIDATION, VERIFICATION
AND APPROVAL AND MODEL SUBSET BREAKOUTS
(CONCURRENT)**

Breakout One- Methods for Validation, Verification and Approval of
Models

Co-Chairs: William Petersen, EPA, National Exposure Research
Laboratory

Tim Bauer, Naval Surface Warfare Center, Dahlgren

Rapporteur: Marcia Carpentier, Environmental Protection Agency

Breakout Two- Establishing Subsets of Models to Meet Dispersion
Applications (Identify “subsets” of models suitable for different
operational scenarios which are scientifically and technically sound)

Co-Chairs: Dr. K.S. Rao, Air Resources Laboratory, Oak Ridge

LTC Todd Hann, USA, Defense Threat Reduction Agency

Rapporteur: Ron Meris, Defense Threat Reduction Agency

2:30-3:00 **Break**

Thursday, June 8, 2000

8:00 - 9:00 a.m. **BREAKFAST (Cambridge Cafe)**

9:00 - 10:45 a.m. **SESSION V- SUMMARY AND WRAP-UP**

Session Chair: Dr. Darryl Randerson

9:00-10:30 **Summary**

Panel Report: Ronald Cionco

Breakout One Report: William Petersen, Tim Bauer

Breakout Two Report: Dr. K.S. Rao, LTC Hann, USA

10:30-10:45

Workshop Wrap-up/Closing Remarks

Mr. Samuel P. Williamson, Federal Coordinator for Meteorology